

Claim Amendment under 37 CFR 1.121(c)

1. (Currently amended) A real-time service system using an interactive data communication, the system comprising:

5 a plurality of digital set-top boxes of users for replaying service contents selected by the user in real time through a television by being supplied through a telephone line of a very high-data rate digital subscriber line (VDSL), wherein the service contents
10 comprise audio/image signals from the telephone line, wherein the audio/image signals are transmitted to an MPEG data storing block, and wherein the plurality of
digital set-top boxes of users further comprise an
audio/image switching block for replaying through the
15 television the service contents received from the MPEG
data storing block and selected by the users;

a number of system operating device installed by a predetermined region unit and connected to the plurality of digital set-top boxes of the users in a corresponding
20 region via a telephone line of the VDSL for supplying the service contents required at a corresponding set-top box in real time by the interactive data communication with an arbitrary digital set-top box; and

a service providing device for storing various
25 service contents received from a contents providing device and for supplying the corresponding service

contents to a corresponding system operating device in real time in response to a service content request from the system operating device inputted through the Internet.

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2. (Original) The system of claim 1, wherein the system operating device includes:

a storing block for storing the service contents supplied from the service providing device;

10 a media server for receiving the service contents supplied from the service providing device by connecting to the Internet through a cable or an optical cable and for temporally storing the same at the storing block and outputting the same;

15 a multi-point distribution unit for setting a plurality of transmission paths for the service contents outputted from the media server and outputting the same; and

a private branch exchange for transmitting the
20 service contents from the multi-point distribution unit to a corresponding digital set-top box through a telephone line.

3. (Original) The system of claim 2, wherein the
25 media server incorporates therein a function of a voice

over Internet protocol (VOIP) router to implement the
VOIP service.

4. (Original) The system of claim 2, wherein the
5 media server and the multi-point distribution unit are
connected to each other through a communication network.

5. (Original) The system of claim 4, wherein the
transmission rate between the media server and the multi-
10 point distribution unit is expressed in gigabits.

6. (Original) The system of claim 1, wherein the
service providing device includes:

a first storing block for storing contents related
15 to various services;

a streaming server for transmitting the service
contents stored at the first storing block to the system
operating device through the Internet and for inputting
the inputted service contents to the first storing block;

20 a switching block installed between the first
storing block and the streaming server for switching a
movement of the service contents between the first
storing block and the streaming server;

a web/database server for transmitting the various service contents supplied from the contents providing device through the Internet to the streaming server;

a second storing block for storing a subsidiary
5 information of the service content stored at the first storing block; and

a manager personal computer (PC) for implementing search, insert, delete, update and reconstruction for the subsidiary information stored at the second storing block
10 by sending a data manipulation language (DML) to the web/database server.

7. (Original) The system of claim 6, wherein the first storing block are separated to a multiple number in
15 a physical sense, but they are one storing space in a logical sense and are expandable.

8. (Original) The system of claim 6, wherein the steaming server is at least one.

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9. (Original) The system of claim 6, wherein the subsidiary information stored at the second storing block is the serial number and position of each service contents, interface information of each service operating
25 device, interface information of the contents providing

device, charging information and information required for the operation of the other service providing devices.

10. (Canceled)

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11. (Currently amended) The system of claim 1, wherein, in the digital set-top box, personal information, ~~e.g.,~~ including name, address, the information of credit card, identification (ID) card
10 ~~information or the like~~, of the user of a corresponding digital set-top box are additionally stored in the ROM or are stored at a memory including a magnetic card, an IC card or hardware or the like, and a device to access the magnetic card, IC card or hardware or the like is
15 attached to the digital set-top box to be utilized as the personal information and security and charging information.